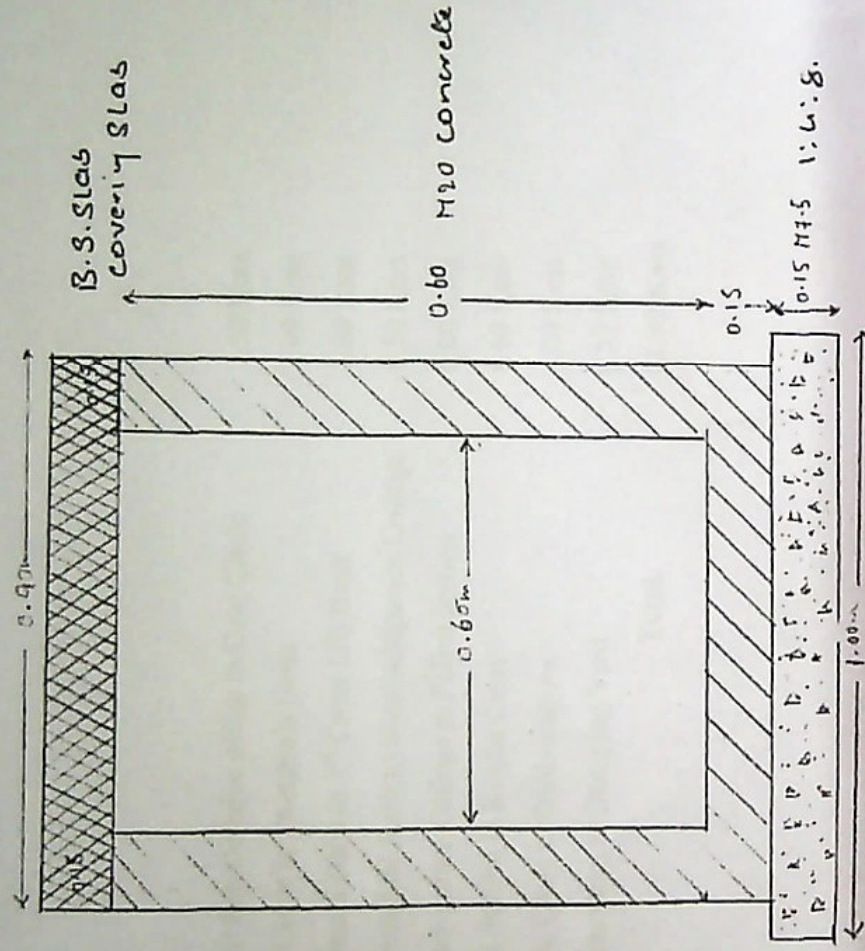




CROSS SECTION OF CC DRAIN

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Providing Missing Covering Slabs at KNV 2nd Stage, Kempanna Layout, Venkatagiriappa in Ward No. 10, (Doddabommasandra), Vidyananyapura Sub Division.

Sl. No	Description	Unit	No.	L	B	D	Qty	Estimate Cost:	1000000.00
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 143 / Item No. 19.1, PWD SR 2018-19	Cum	1	140.00	1.00	1.00	140.00		
	KNV 2nd Stage								
	Basic Rate	130.00					140.00	243.88	34143.00
	Area Weightage @ 6%	7.80							
	Sub Total	137.80							
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	243.88							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. Page No.13. Item No. 4.3 of PWD SR 2018-19	Cum	1	140.00	1.00	0.15	21.00	5408.12	113571.00
	Bottom Concrete								
	KNV 2nd Stage								
	Basic Rate	5102.00					21.00	5408.12	113571.00
	Area Weightage @ 6%	306.12							
	Total	5408.12							
	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing, main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Page No. 18, Item No. 4.48, PWD SR 2018-19	Cum							
	Bottom Concrete								
	KNV 2nd Stage		1	140.00	0.90	0.15	18.90		
	Side Wall								
	KNV 2nd Stage		2	140.00	0.15	0.60	25.20		
	Basic Rate	5444.00					44.10	5770.64	254485.00
	Area Weightage @ 6%	326.64							
	Total	5770.64							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 18 / Item No. 4.46.2, PWD SR 2018-19	Tonne	0.06	44.10			2.65	75223.96	199043.00
	For RCC Drain @ 60 Kg / Cum								
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	75223.96							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 16 / Item No. 4.31 PWD SR 2018-19	Sqm							
	Side Wall								
	KNV 2nd Stage		4	140.00		0.60	336.00		
	Basic Rate	358.00					336.00	379.48	127505.00
	Area Weightage @ 6%	21.48							
	Total	379.48							
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete Page No. 27 / Item No. 5.31.1 PWD SR 2018-19	Sqm							
	For Covering Slab								
	KNV 2nd Stage		1	140.00		0.90	126.00		
	Basic Rate	700.00		140.00			126.00	742.00	93492.00
	Area Weightage @ 6%	42.00							
	Total	742.00							
7	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 Page No. 26 / Item No. 5.22, PWD SR 2018-19	m							
			233	3.00			700.00	61.48	43036.00
	Basic Rate	58.00							
	Area Weightage @ 6%	3.48							
	Total	61.48							
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240Kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.13, Item No. 4.6 PWD SR 2018-19	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Covering Slab Ramp KNV 2nd Stage		1	140.00	0.30	0.11	4.62		
	Basic Rate	5422.00							
	Area Weightage @ 6%	325.32					4.62	5747.32	26553.00
	Total	5747.32							
	Sub Total								891828.00
	GST 12%								107019.00
	Miscellaneous and other Charges	L/S							1153.00
								Total	1000000.00

Rupees Ten Lakh(s) Only

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2018-19.
- 3 This work included under 2018-19 POW Grants.
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

Sundar NL
Assistant Engineer
Ward No. 10

[Signature]
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayanyapura Sub Division

[Signature]
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL	
Accorded For Rs. <u>10.00 Lakh</u>	
Head of A/c. <u>P1771</u>	
Div. Ref. No. <u>34/19-20</u>	Date <u>6-7-19</u>
<i>[Signature]</i> AE	
<i>[Signature]</i> EE(BTP)	

TECHNICAL SANCTION	
Accorded For Rs. <u>10.00 Lakh</u>	
Head of A/c. <u>P1771</u>	
Div. Ref. No. <u>34/19-20</u>	Date <u>6-7-19</u>
<i>[Signature]</i> AE	
<i>[Signature]</i> EE(BTP)	